

Abstract

Method and apparatus for injecting gasification medium into particle-loaded gasification spaces of fixed-bed, fluidized-bed or entrained-bed gasifiers by means of gasification-medium nozzles, wherein the supply portion the isorate of the gasification medium in the gasification-medium nozzle does not fall below a minimum value, and in the adjoining acceleration portion the gasification medium is constantly accelerated and upon exit from the nozzle orifice is concentrated in a focus.

#### List of Reference Numerals

- 1 gasification-medium nozzle
- 2 gasification-medium supply tube
- 3 gasification-medium mixture
- 4 gas space
- 5 supply portion
- 6 nozzle orifice
- 7 acceleration portion
- 9 transition
- 10 jet of gasification medium
- 11 focus
- 12 horizontal
- 13 gasification medium flow thread